

FIGURE 2A

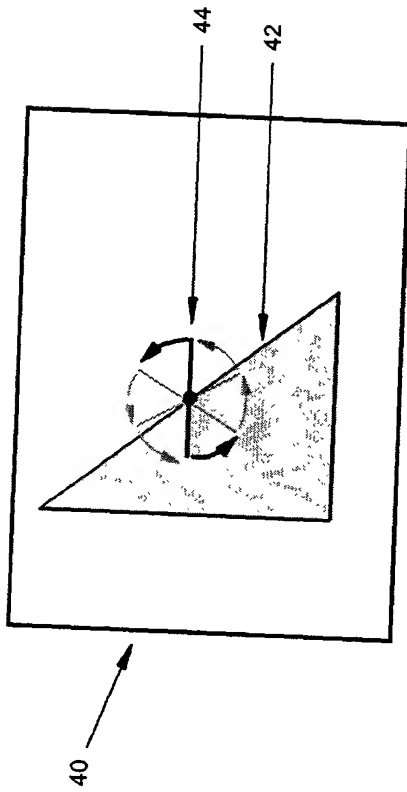


FIGURE 2B

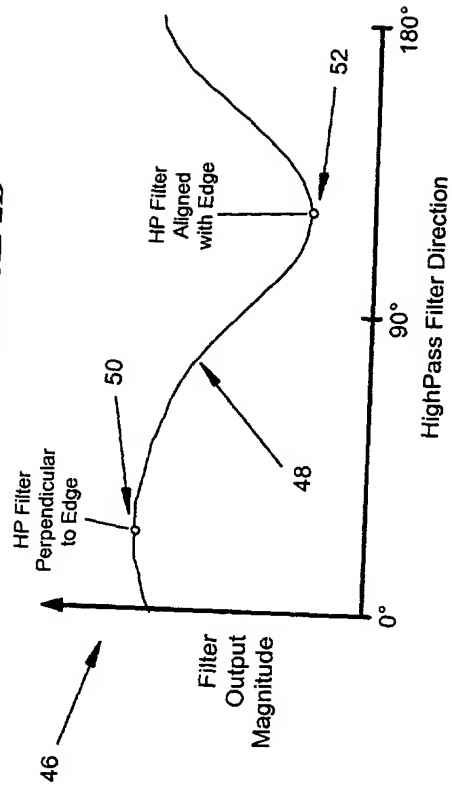


Figure 3A

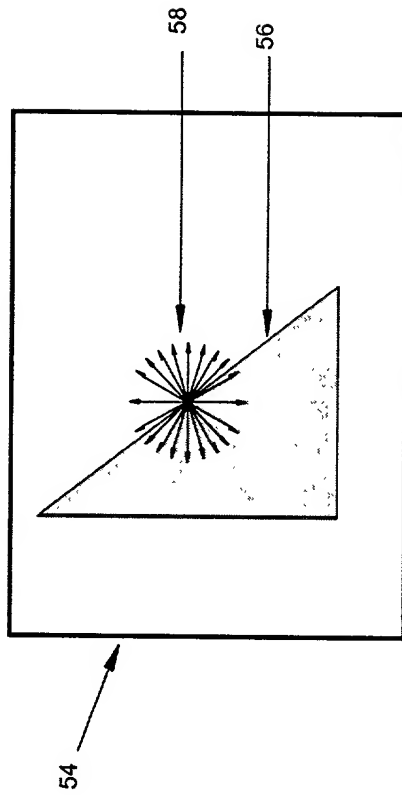


FIGURE 3B

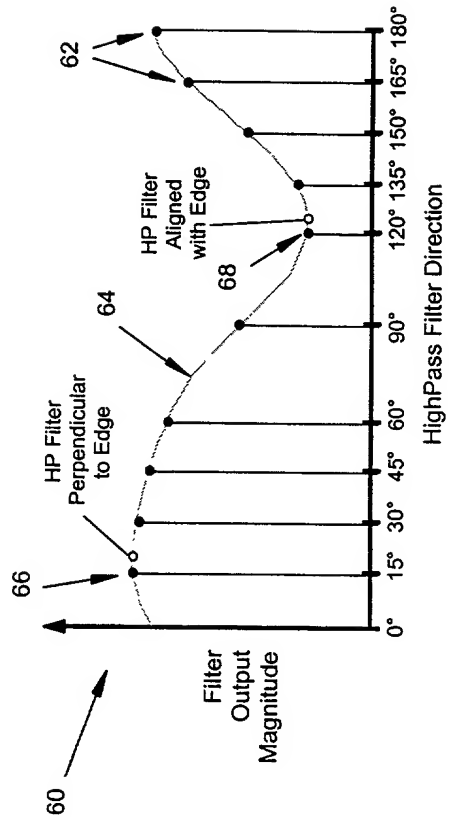


Figure 4: HighPass Filter Pixel Matrix

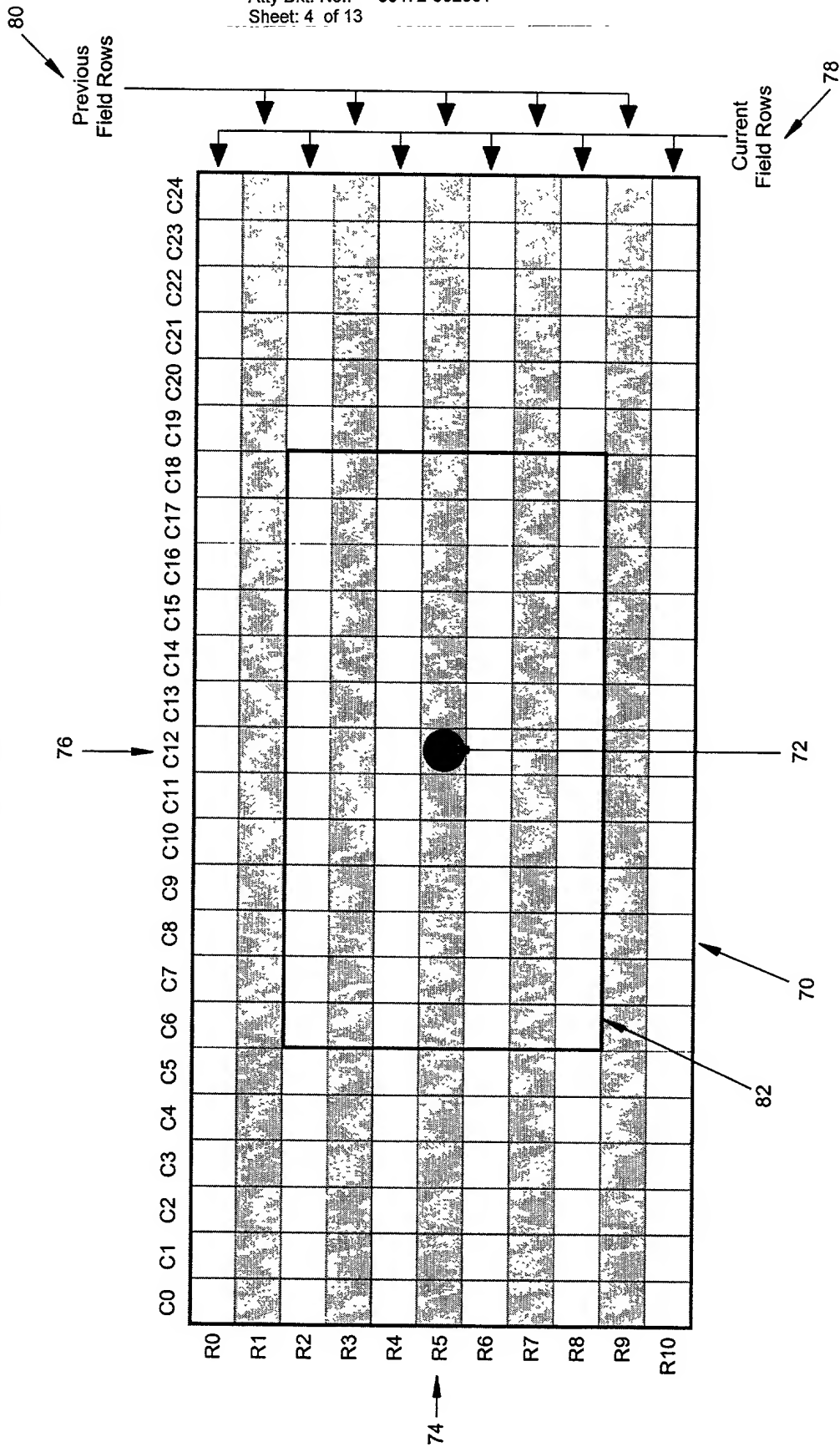


Figure 5b: 90° (vertical)

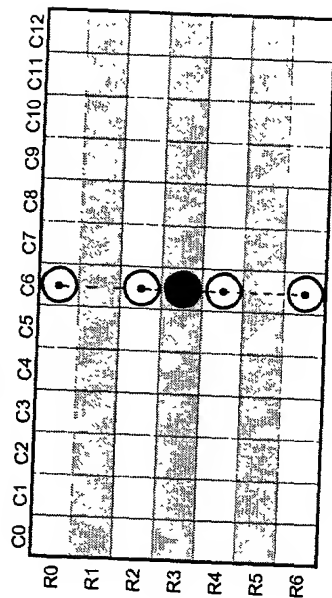


Figure 5c: 0° (Horizontal)

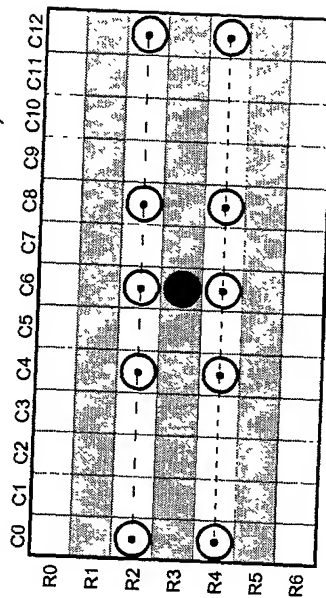
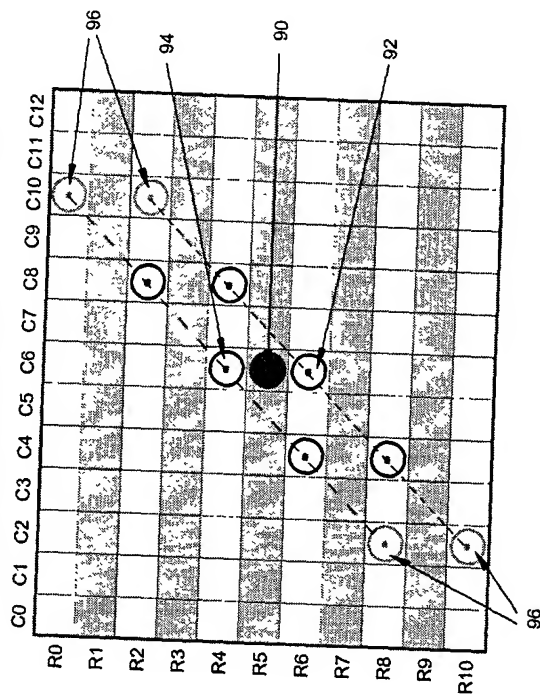


Figure 5a: Upper/Lower Filter for +45°



--- Filter Above  
 --- Filter Below

Figure 5d: -45°

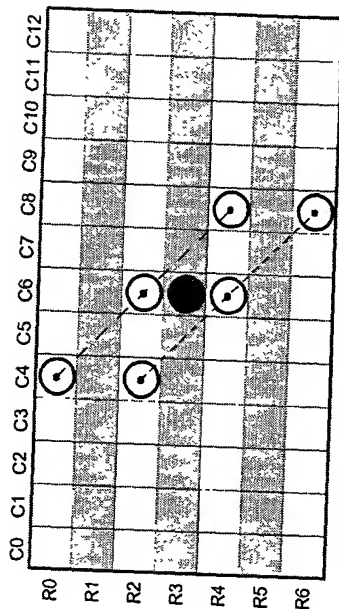


Figure 5f: -60° (nominal, -63° actual)

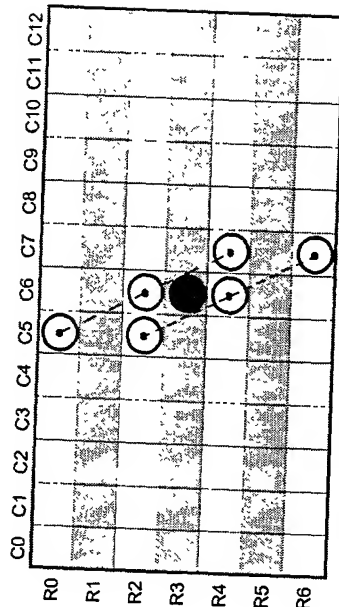


Figure 5e: +45°

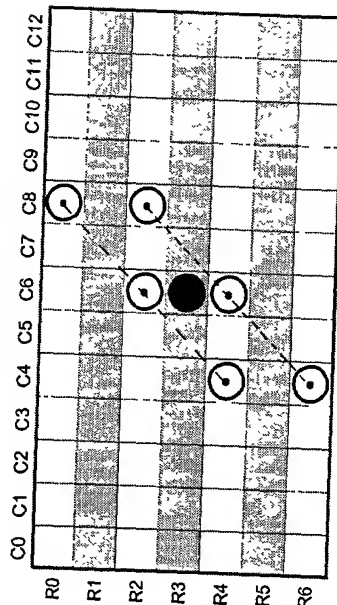
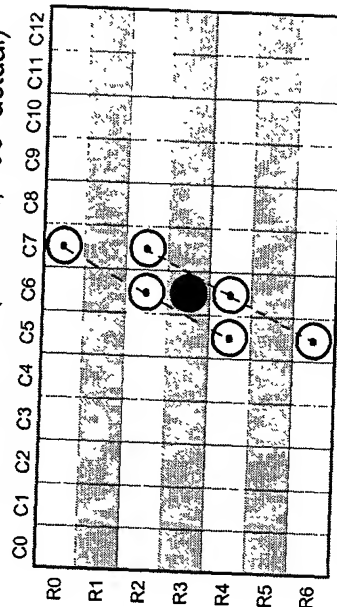


Figure 5g: +60° (nominal, +63° actual)



--- Filter Above  
 --- Filter Below

Figure 5h: -15° (nominal, -18° actual)

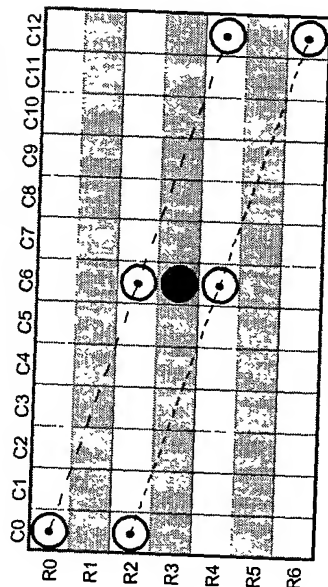


Figure 5j: -30° (nominal, -27° actual)

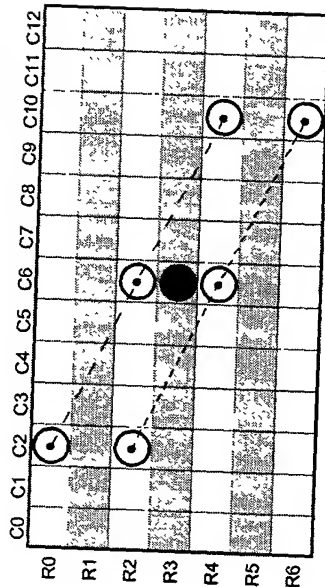


Figure 5i: +15° (nominal, +18° actual)

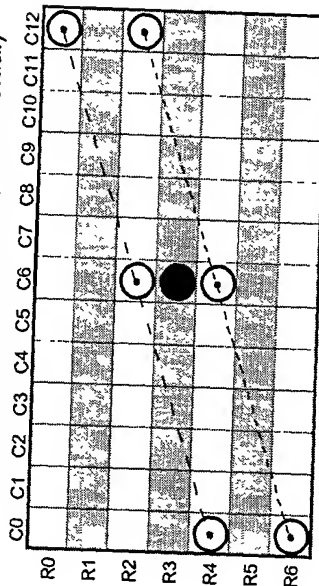
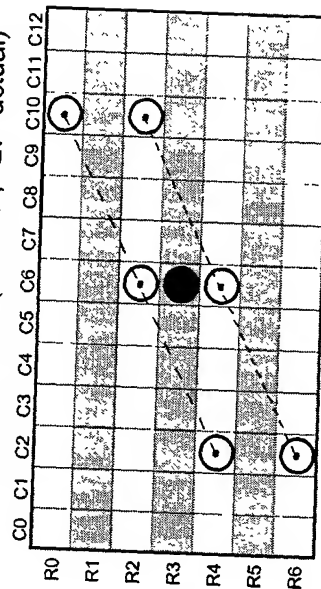


Figure 5k: +30° (nominal, +27° actual)



--- Filter Above  
 --- Filter Below

Figure 6: Image Feature Edge Detection Block Diagram

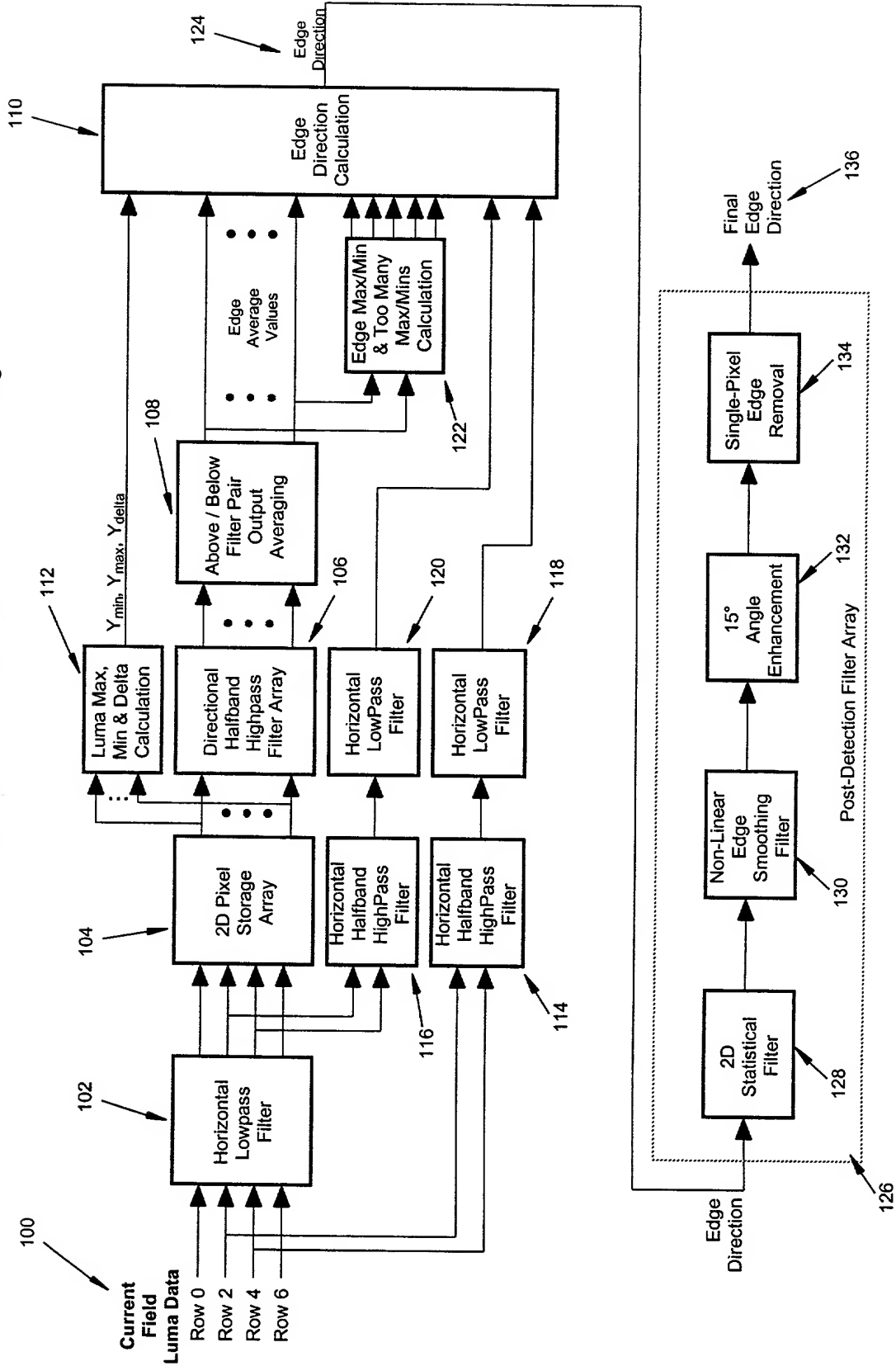




Figure 7: Edge Max/Min & Too Many Maxes/Mins Calculations

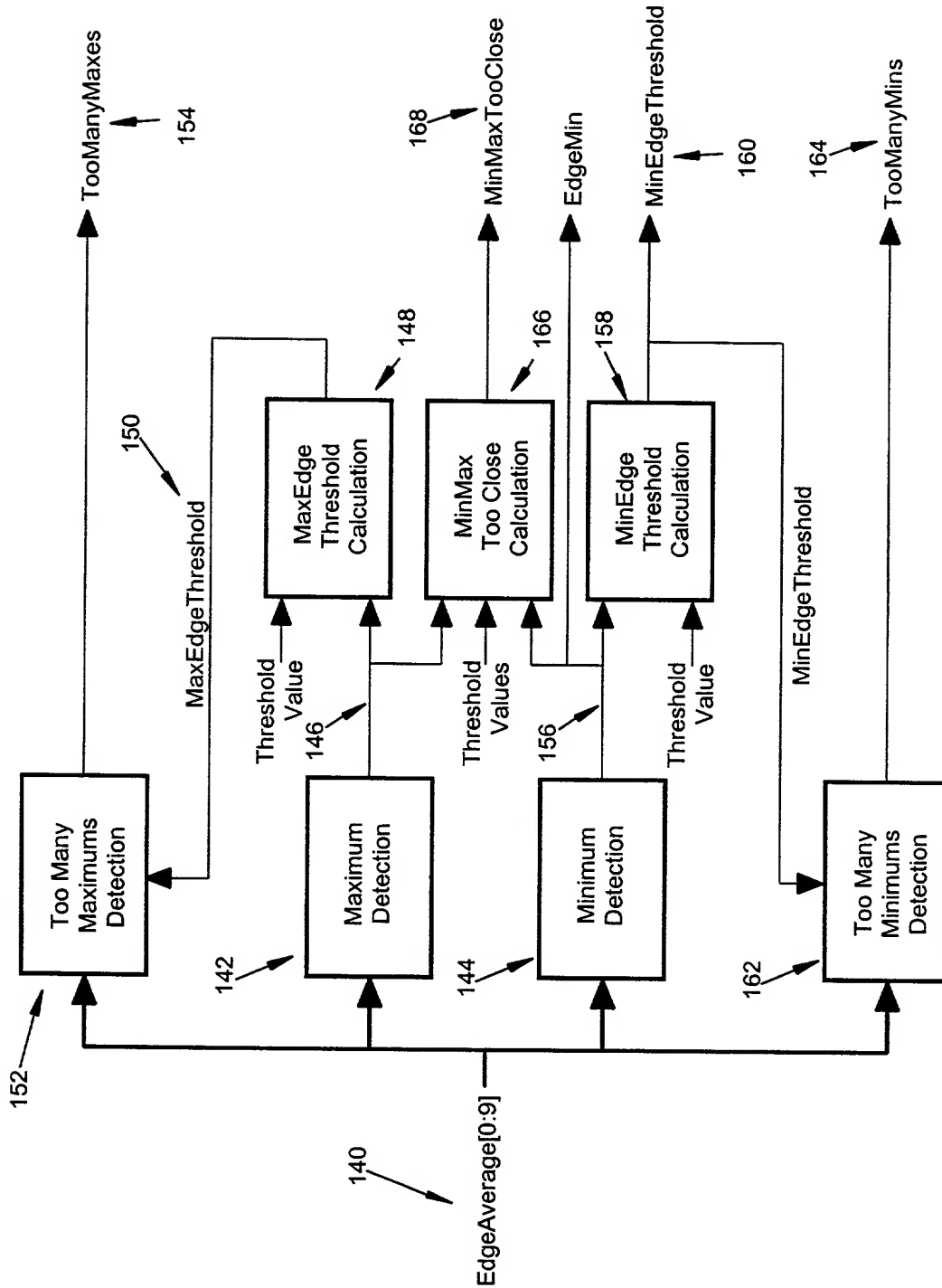


Figure 8: Edge-Based Pixel Calculation Block Diagram

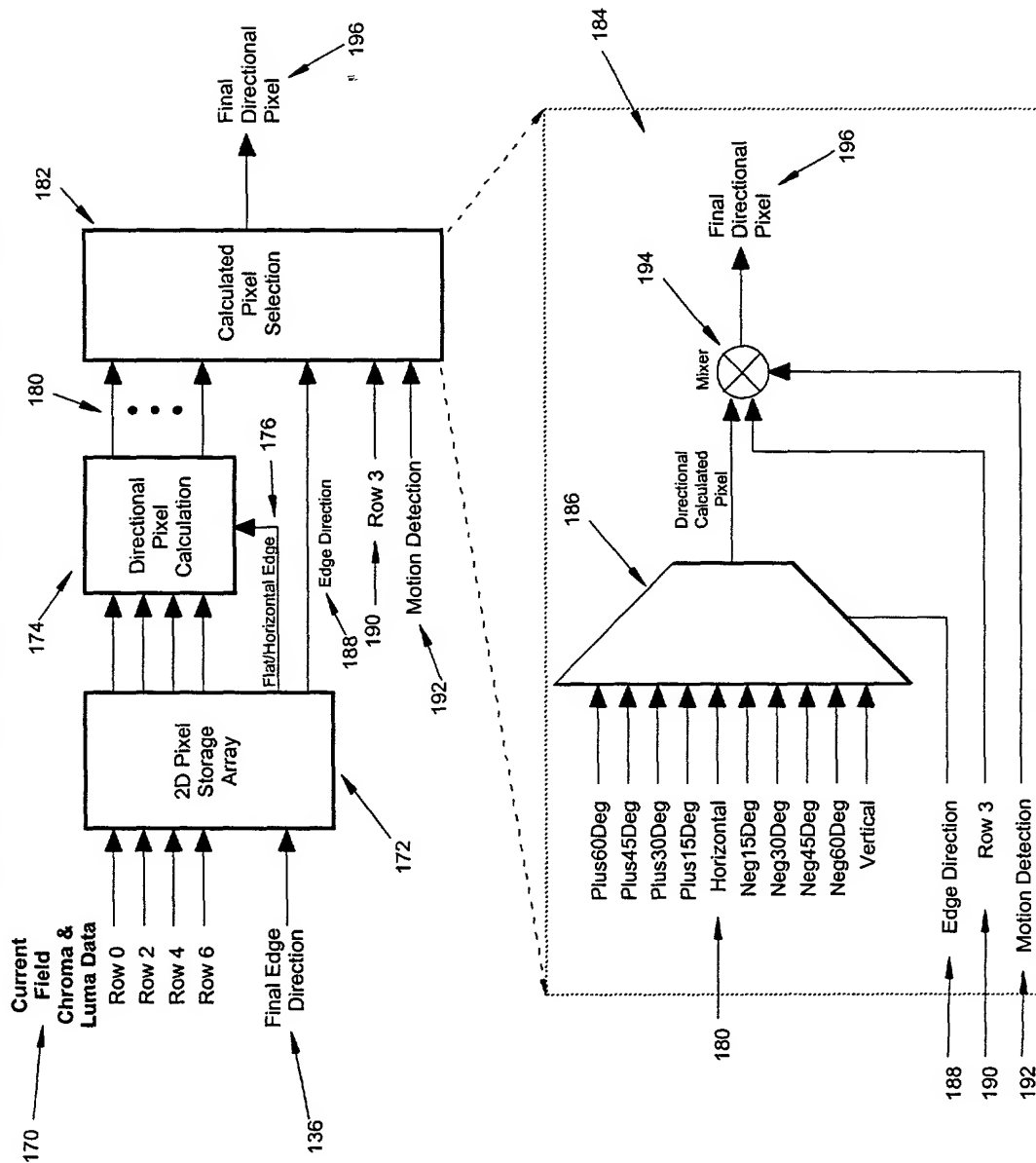


Figure 9a: 90° (vertical)

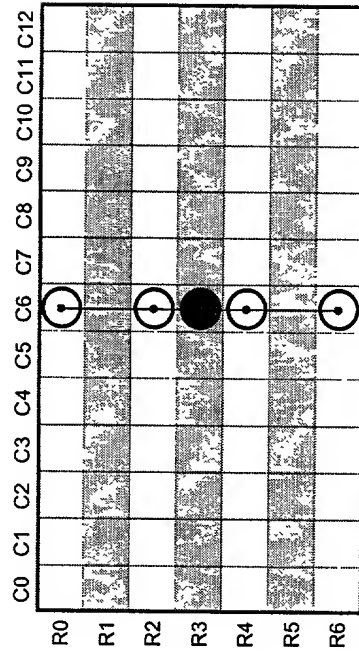


Figure 9c: -15° (nominal, -16° actual)

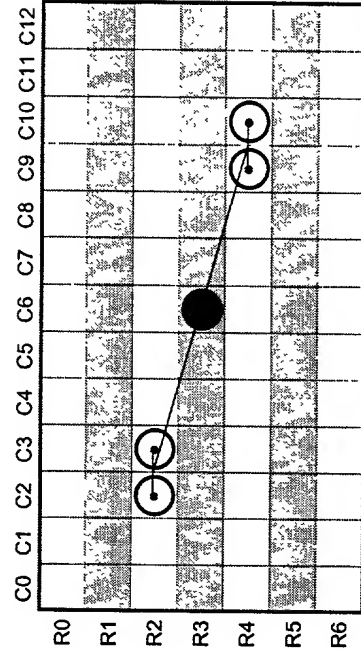


Figure 9b: 0° (horizontal)

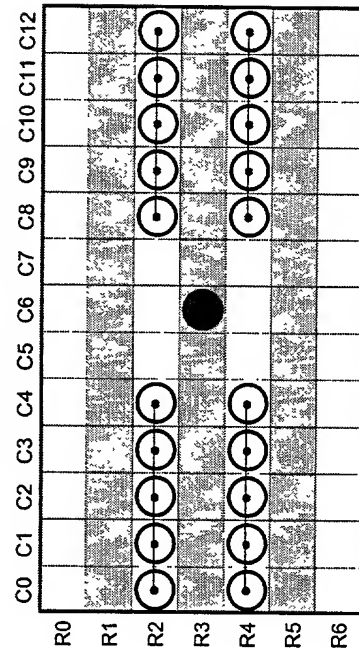


Figure 9d: +15° (nominal, +16° actual)

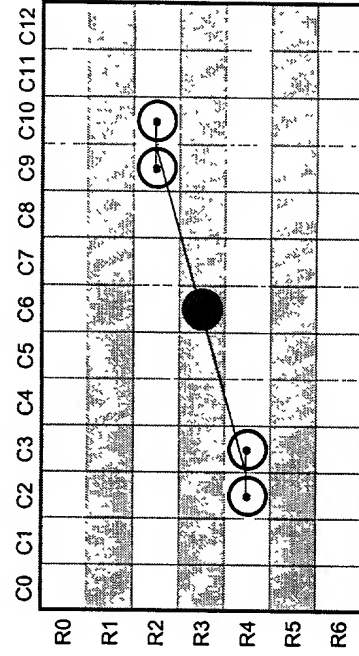


Figure 9e: -30° (nominal, -27° actual)

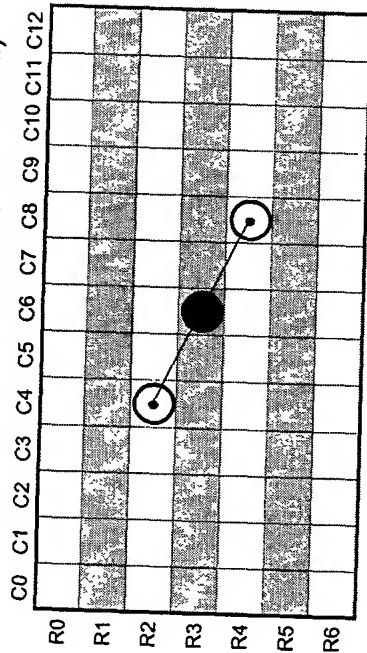


Figure 9g: -45°

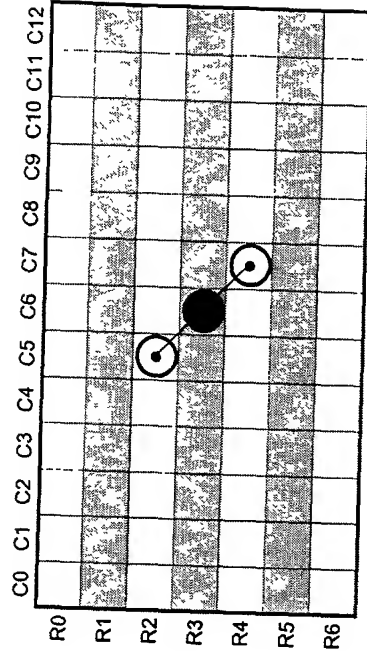


Figure 9f: +30° (nominal, +27° actual)

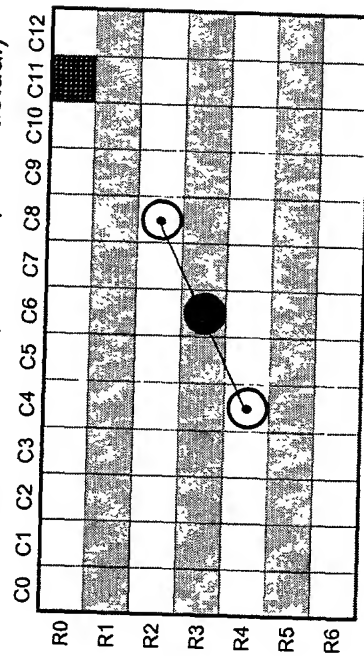


Figure 9h: +45°

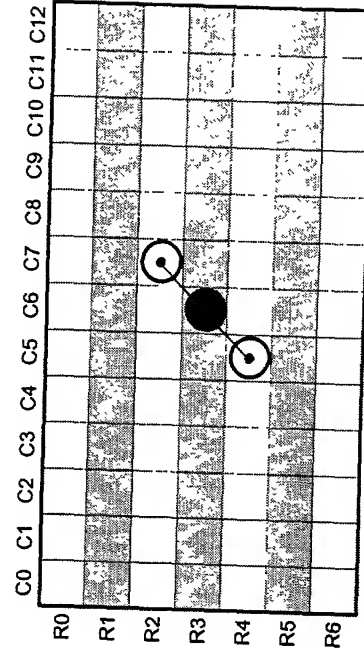


Figure 9i: -60° (nominal, -63° actual)

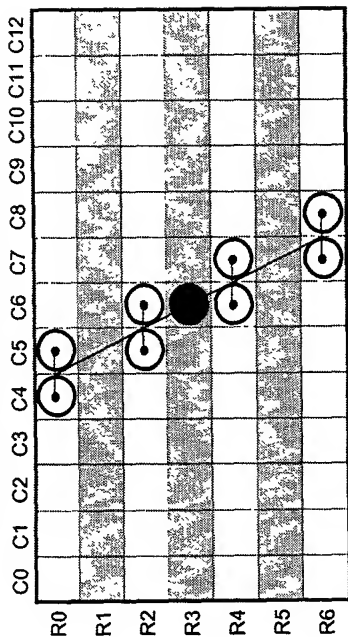


Figure 9j: +60° (nominal, +63° actual)

